State of Tennessee
Department of Environment and Conservation
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243
Telephone: (615) 532-0554

APC 100

NON-TITLE V PERMIT APPLICATION
FACILITY IDENTIFICATION

Please type or print and submit in duplicate for each emission source. Attach appropriate source description forms.

SITE INFORMATION

1. Organization's legal name Eagle Bend Manufacturing Inc.		For APC use only	APC Company point no.
2. Site name (if different from legal name)			APC Log/Permit no.
3. Site address (St./Rd./Hwy.) 1000 JD Yarnell Industrial Parkway			County name Anderson
City or distance to nearest town Clinton, TN	Zip code 37716-4035		**4.** NAICS or SIC code 3465
5. Site location (in lat. /long.)	Latitude 36° 05' 23.95" N		Longitude 84° 07' 08.09" W

CONTACT INFORMATION (RESPONSIBLE PERSON)

6. Responsible person/Authorized contact Ted Stolpe			Phone number with area code (865) 457-3800
Mailing address (St./Rd./Hwy.) 1000 JD Yarnell Industrial Parkway			Fax number with area code (865) 425-1764
City Clinton	State TN	Zip code 37716	Email address TStolpe@cosma.com

CONTACT INFORMATION (TECHNICAL)

7. Principal technical contact Ted Stolpe			Phone number with area code (865) 457-3800
Mailing address (St./Rd./Hwy.) 1000 JD Yarnell Industrial Parkway			Fax number with area code (865) 425-1764
City Clinton	State TN	Zip code 37716	Email address TStolpe@cosma.com

CONTACT INFORMATION (BILLING)

8. Billing contact Ted Stolpe			Phone number with area code (865) 457-3800
Mailing address (St./Rd./Hwy.) 1000 JD Yarnell Industrial Parkway			Fax number with area code (865) 425-1764
City Clinton	State TN	Zip code 37716	Email address TStolpe@cosma.com

EMISSION SOURCE INFORMATION

9. Emission source no. (number which uniquely identifies this source)
06

10. Brief description of emission source
Natural gas-fired emergency generator at Hot Stamp 3.

11. Normal operation:	Hours/Day 0.5	Days/Week 1	Weeks/Year 52	Days/Year 52
12. Percent annual throughput	Dec. – Feb. 25	March – May 25	June – August 25	Sept. – Nov. 25

(Over)

TYPE OF PERMIT REQUESTED

13. Operating permit ( )	Date construction started	Date completed	Last permit no.	Emission source reference number
	06/30/2012	07/25/2012		

Construction permit (X)	Last permit no.	Emission source reference number

If you choose Construction permit, then choose either New Construction, Modification, or Location transfer

	New Construction ( )	Starting date	Completion date
	Modification ( )	Date modification started or will start	Date completed or will complete
	Location transfer ( )	Transfer date	Address of last location

14. Describe changes that have been made to this equipment or operation since the last construction or operating permit application:

SIGNATURE

Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application and any attached application(s) is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

15. **Signature** (application must be signed before it will be processed)		**Date** 1/14/15
Signer's name (type of print)	**Title**	**Phone number with area code**
Ed Steinebach	General Manager	(865) 457-3800

Table of Pollution Reduction Device or Method Codes

Note: For cyclones, settling chambers, wet scrubbers, and electrostatic precipitators; the efficiency ranges correspond to the following percentages:
High: 95-99+%. Medium: 80-95% And Low: Less than 80%.
If the system has several pieces of connected control equipment, indicate the sequence. For example: 008'010.97%
If none of the below codes fit, use 999 as a code for other and specify in the comments.

No Equipment....000
Activated Carbon Adsorption....048
Afterburner – Direct Flame....021
Afterburner – Direct Flame with Heat Exchanger....022
Afterburner – Catalytic....019
Afterburner – Catalytic with Heat Exchanger....020
Alkalized Alumina....040
Catalytic Oxidation – Flue Gas Desulfurization....039
Cyclone – High Efficiency....007
Cyclone – Medium Efficiency....008
Cyclone – Low Efficiency....009
Dust Suppression by Chemical Stabilizers or Wetting Agents....062
Electrostatic Precipitator – High Efficiency....010
Electrostatic Precipitator – Medium Efficiency....011
Electrostatic Precipitator – Low Efficiency....012
Fabric Filter – High Temperature....016
Fabric Filter – Medium Temperature....017
Fabric Filter – Low Temperature....018
Fabric Filter – Metal Screens (Cotton Gins)....059
Flaring....023
Gas Adsorption Column -- Packed....050
Gas Adsorption Column – Tray Type....051
Gas Scrubber (General: Not Classified)....013
Limestone Injection – Dry....041
Limestone Injection – Wet....042
Liquid Filtration System....049
Mist Eliminator – High Velocity....014
Mist Eliminator – Low Velocity....015
Process Change....046
Process Enclosed....054
Process Gas Recovery....060
Settling Chamber – High Efficiency....004
Settling Chamber – Medium Efficiency....005
Settling Chamber – Low Efficiency....006
Spray Tower (Gaseous Control Only)....052
Sulfuric Acid Plant – Contact Process....043
Sulfuric Acid Plant – Double Contact Process....044
Sulfur Plant....045
Vapor Recovery System (Including Condensers, Hooding and Other Enclosures)....047
Venturi Scrubber (Gaseous Control Only)....053
Wet Scrubber – High Efficiency....001
Wet Scrubber – Medium Efficiency....002
Wet Scrubber – Low Efficiency....003
Wet Suppression by Water Sprays....061

Table of Emission Estimation Method Codes

Not application / Emissions are known to be zero....0
Emissions based on source testing....1
Emissions based on material balance using engineering expertise and knowledge of process....2
Emissions calculated using emission factors from EPA publications No. AP-42 Compilation of Air Pollution Emissions Factors....3
Judgment....4
Emissions calculated using a special emission factor different from that in AP-42....5
Other (Specify in comments)....6

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NON-TITLE V PERMIT APPLICATION
EMISSION POINT DESCRIPTION

Please type or print and submit in duplicate for each stack or emission source. Attach to the Non-Title V Facility Identification Form (APC 100).

GENERAL IDENTIFICATION AND DESCRIPTION

1. Organization name Eagle Bend Manufacturing Inc.		For APC use only	APC Company point no.
2. Emission source no. (As on Non-Title V Facility Identification Form) 06	Flow diagram point number		APC Log/Permit no.
3. Brief emission point description (Attach a sketch if appropriate): Caterpillar natural gas emergency generator at Hot Stamp 3.			Distance to nearest property line (Ft.) 300

STACK AND EMISSION DATA

4. Stack or emission point data: →	Height above grade (Ft.) 3.58	Diameter (Ft.) 0.25	Temperature (°F) 700	% of time over 125°F 100	Direction of exit (Up, down or horizontal) Up
Data at exit conditions: →	Flow (actual $Ft.^3$/Min.)	Velocity (Ft. /Sec.)	Moisture (Grains/$Ft.^3$)		Moisture (Percent)
Data at standard conditions: →	Flow (Dry std. $Ft.^3$/Min.)	Velocity (Ft. /Sec.)	Moisture (Grains/$Ft.^3$)		Moisture (Percent)

5. Air contaminants	Actual emissions						
	Emissions (Lbs./Hr.)						
	Average	Maximum	Concentration	Avg. emissions (Tons/Yr.)	Emissions est. method code	Control devices *	Control efficiency%
Particulate matter	0.00	0.00	**	0.00	3	000	0
Sulfur dioxide (SO_2)	0.00	0.00	***	0.00	3	000	0
Carbon monoxide (CO)	68.3	68.3	PPM	17.1	3	000	0
Organic compounds	0.02	0.02	PPM	0.01	3	000	0
Nitrogen oxides (NO_X)	1.76	1.76	PPM	0.44	3	000	0
Fluorides							
Greenhouse gases (CO_2 equivalents)							
Hazardous air pollutant (specify)							
Hazardous air pollutant (specify)							
Other (specify)							
Other (specify)							
Other (specify)							

(Over)

6. **Check types of monitoring and recording instruments that are attached:** Opacity monitor ( ), SO_2 monitor ( ), NO_X monitor ( ), Other (specify in comments) ( )	
7. **Comments** This unit is subject to 40 CFR 60 Subpart JJJJ and 40 CFR 63 Subpart ZZZZ.	
8. Control device or Method code description:	Description of operating parameters of device (flow rate, temperature, pressure drop, etc.): N/A

* Refer to the tables below for estimation method and control device codes.

** Exit gas particulate matter concentration units: Process – Grains/Dry Standard Ft^3 (70^0F), Wood fired boilers - Grains/Dry Standard Ft^3 (70^0F), all other boilers – Lbs. /Million BTU heat input.

*** Exit gas sulfur dioxide concentrations units: Process – PPM by volume, dry bases, and boilers – Lbs. /Million BTU heat input

Table of Pollution Reduction Device or Method Codes
(Alphabetical listing)

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Dust Suppression by Chemical Stabilizers or Wetting Agents 062
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Settling Chamber – Low Efficiency....006
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STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
WILLIAM R. SNODGRASS TENNESSEE TOWER
312 ROSA L. PARKS AVENUE, 15TH FLOOR
NASHVILLE, TENNESSEE 37243

December 17, 2014

Certified Article Number
9414 7266 9904 2002 6212 26
SENDERS RECORD

Mr. Ed Steinebach
General Manager
Eagle Bend Manufacturing Inc.
1000 J.D. Yarnell Industrial Parkway
Clinton, TN 37716-4035

Re: Operating Permit Application
Eagle Bend Manufacturing Inc.
1000 J.D. Yarnell Industrial Parkway
01-0235-07/ log 69606

Dear Mr. Steinebach:

Your operating permit application dated November 24, 2014, for the 80 hp natural gas fired emergency generator engine at Hot Stamp 3 was received on November 26, 2014. A determination has been made that application is incomplete. A construction permit application is required for this source because the source is subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines of 40 CFR Part 60 Subpart JJJJ and the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines of 40 CFR Part 63 Subpart ZZZZ. Additional information is requested for the following:

1) Completed APC form 100 marked construction in line 13 of the form; and ✓

2) Construction permit application fee payment of $100.00. ✓

Please provide the information indicated above within 30 days of your receipt of this letter. A copy of this letter shall be included with an amended application. Should the 30-day time period elapse, the operating/ construction permit shall be denied.

If you have any questions concerning this correspondence, please contact John Trimmer at (615) 532-0552 or at John.Trimmer@TN.gov.

Sincerely,

Steven Simpson

Steven Simpson, Section Manager
East Tennessee Permit Program

MAGNA
COSMA INTERNATIONAL
Eagle Bend Manufacturing, Inc.
1000 J.D. Yarnell Industrial Parkway
Clinton, TN 37716-4035

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